RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: US/09/303,232 B

Source: 16001

Date Processed by STIC: 4/27/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221
Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm> , EFS Submission User Manual - cPAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
   U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

ERROR DETECTED   **SUGGESTED CORRECTION**   SERIAL NUMBER: 09/303,232 B

1 _____ Wrapped Nucleics   The number/text at the end of each line "wrapped" down to the next line. This may occur if your file
Wrapped Aminos   was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will
prevent "wrapping."

2 _____ Invalid Line Length   The rules require that a line not exceed 72 characters in length. This includes white spaces.

3 _____ Misaligned Amino   The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers;
Numbering   use space characters, instead.

4 _____ Non-ASCII   The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please
ensure your subsequent submission is saved in ASCII text.

5 _____ Variable Length   Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules,
each n or Xaa can only represent a single residue. Please present the maximum number of each
residue having variable length and indicate in the <220>-<223> section that some may be missing.

6 _____ PatentIn 2.0   A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid
"bug"   sequences(s) _____. Normally, PatentIn would automatically generate this section from the
previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to
the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for
Artificial or Unknown sequences.

7 _____ Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence
(OLD RULES)   (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
(i)   SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
(xi) SEQUENCE DESCRIPTION.SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
This sequence is intentionally skipped

Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.

8 _____ Skipped Sequences   Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence.
(NEW RULES)   <210> sequence id number
<400> sequence id number
000

9 _____ Use of n's or Xaa's   Use of n's and/or Xaa's have been detected in the Sequence Listing.
(NEW RULES)   Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

10 _____ Invalid <213>   Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or
Response   scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or
is Artificial Sequence

11 ✓ _____ Use of <220>

Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or
"Unknown." Please explain source of genetic material in <220> to <223> section.
(See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32)   (Sec. 1.823 of Sequence Rules)

12 _____ PatentIn 2.0   Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file,
"bug"   resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence
listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.

13 _____ Misuse of n/Xaa   "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid

1600

RAW SEQUENCE LISTING   DATE: 04/27/2004
PATENT APPLICATION: US/09/303,232B   TIME: 09:24:33

Input Set : **A:\Mo5176new.txt**
Output Set: **N:\CRF4\04272004\I303232B.raw**

 2 <110> APPLICANT: Bayer Aktiengesellschaft
 4 <120> TITLE OF INVENTION: Nucleic Acids which encode
 5   insect acetylcholine receptor subunits
 7 <130> FILE REFERENCE: Le A 33 020-Foreign Countries
 9 <140> CURRENT APPLICATION NUMBER: US/09/303,232B
10 <141> CURRENT FILING DATE: 1999-04-30
12 <150> PRIOR APPLICATION NUMBER: DE 198 19 829.9
13 <151> PRIOR FILING DATE: 1998-05-04
15 <160> NUMBER OF SEQ ID NOS: 14
17 <170> SOFTWARE: PatentIn Ver. 2.1

Does Not Comply
Corrected Diskette Needed
(pg. 1-5)

ERRORED SEQUENCES

      1038 <210> SEQ ID NO: 9
      1039 <211> LENGTH: 32
E--> 1040 <212> TYPE: 212> DNA   *— See pg. 4*
      1041 <213> ORGANISM: Artificial Sequence
      1043 <220> FEATURE:
      1044 <223> OTHER INFORMATION: Primer
      1046 <400> SEQUENCE: 9
      1047 gcgaattcac caccatgaaa aatgcacaac tg   32
      1051 <210> SEQ ID NO: 10
      1052 <211> LENGTH: 27
E--> 1053 <212> TYPE: 212> DNA   *— Same error*
      1054 <213> ORGANISM: Artificial Sequence
      1056 <220> FEATURE:
      1057 <223> OTHER INFORMATION: Primer
      1059 <400> SEQUENCE: 10
      1060 cgagacaata atatgtggtg cctcgag   27
      1064 <210> SEQ ID NO: 11
      1065 <211> LENGTH: 41
E--> 1066 <212> TYPE: 212> DNA   *— Same error*
      1067 <213> ORGANISM: Artificial Sequence
      1069 <220> FEATURE:
      1070 <223> OTHER INFORMATION: Primer
      1072 <400> SEQUENCE: 11
      1073 gcaagcttac caccatggga ggtagagcta gacgctcgca c   41
      1077 <210> SEQ ID NO: 12
      1078 <211> LENGTH: 29
E--> 1079 <212> TYPE: 212> DNA   *— Same error*
      1080 <213> ORGANISM: Artificial Sequence
      1082 <220> FEATURE:

RAW SEQUENCE LISTING   DATE: 04/27/2004
PATENT APPLICATION: **US/09/303,232B**   TIME: 09:24:33

Input Set : **A:\Mo5176new.txt**
Output Set: **N:\CRF4\04272004\I303232B.raw**

```
     1083 <223> OTHER INFORMATION: Primer
     1085 <400> SEQUENCE: 12
     1086 gcctcgagcg acaccatgat gtgtggcgc        29
     1090 <210> SEQ ID NO: 13
     1091 <211> LENGTH: 27
E--> 1092 <212> TYPE: 212> DNA        — same error
     1093 <213> ORGANISM: Artificial Sequence
     1095 <220> FEATURE:
     1096 <223> OTHER INFORMATION: Primer
     1098 <400> SEQUENCE: 13
     1099 gcaagcgccg ctatggcccc tatgttg         27
     1103 <210> SEQ ID NO: 14
     1104 <211> LENGTH: 29
E--> 1105 <212> TYPE: 212> DNA        — same error
     1106 <213> ORGANISM: Artificial Sequence
     1108 <220> FEATURE:
     1109 <223> OTHER INFORMATION: Primer
     1111 <400> SEQUENCE: 14
     1112 ttgcacgatg atatgcggtg cctcgagcg        29
```

VERIFICATION SUMMARY   DATE: 04/27/2004
PATENT APPLICATION: **US/09/303,232B**   TIME: 09:24:34

Input Set : **A:\Mo5176new.txt**
Output Set: **N:\CRF4\04272004\I303232B.raw**

L:1019 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:1034 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:1040 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:1053 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:1066 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:1079 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:1092 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:
L:1105 M:310 E: (3) Wrong or Missing Sequence Type, TYPE:

Use of n and / or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to ensure a corresponding explanation is present in the <220> to <223> fields of each sequence using n or Xaa.

please correct to

<212>

<210> 9
<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer

<400> 9
gcgaattcac caccatgaaa aatgcacaac tg   32

```
<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (6)
<223> i

<400> 7
gaygtngayg araaraayca                    20
```

— please explain, mAndatory, iF <213> is Artificial/unknown, please explain in section <220>-<223>.

^Response

```
<210> 8
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<221> modified_base
<222> (9)
<223> i

<400> 8
cyytcrtcng crctrttrta                    20
```

— Same error

↑ please see item # 11 on error summary sheet.